



SEQUENCE LISTING

<110> SPURLOCK, MICHAEL E.

<120> BOVINE LEPTIN PROTEIN, ANTISENSE AND ANTIBODY

<130> PM-8808-A

<140> 09/928,522

<141> 2001-08-13

<150> 08/688,908

<151> 1996-07-31

<160> 9

<170> PatentIn Ver. 2.1

<210> 1

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Primer

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<212> DNA

<213> Bovine sp.

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<221> CDS

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1

5

10

15

aca att gtc acc agg atc aat gac atc tca cac acg cag tcc gtc tcc 98
 Thr Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr Gln Ser Val Ser
 20 25 30

tcc aaa cag agg gtc act ggt ttg gac ttc atc cct ggg ctc cac cct 146
 Ser Lys Gln Arg Val Thr Gly Leu Asp Phe Ile Pro Gly Leu His Pro
 35 40 45

ctc ctg agt ttg tcc aag atg gac cag aca ttg gcg atc tac caa cag 194
 Leu Leu Ser Leu Ser Lys Met Asp Gln Thr Leu Ala Ile Tyr Gln Gln
 50 55 60

atc ctc acc agt ctg cct tcc aga aat gtg gtc caa ata tcc aat gac 242
 Ile Leu Thr Ser Leu Pro Ser Arg Asn Val Val Gln Ile Ser Asn Asp
 65 70 75

ctg gag aac ctc cgg gac ctt ctc cac ctg ctg gcc gcc tcc aag agc 290
 Leu Glu Asn Leu Arg Asp Leu Leu His Leu Leu Ala Ala Ser Lys Ser
 80 85 90 95

tgc ccc ttg ccg cag gtc agg gcc ctg gag agc ttg gag agc ttg ggt 338
 Cys Pro Leu Pro Gln Val Arg Ala Leu Glu Ser Leu Glu Ser Leu Gly
 100 105 110

gtc gtc ctg gaa gcc tcc ctc tac tcc acc gag gtg gtg gcc ctg agc 386
 Val Val Leu Glu Ala Ser Leu Tyr Ser Thr Glu Val Val Ala Leu Ser
 115 120 125

cgg ctg cag ggg tca cta cag gac atg ttg cgg cag ctg gac ctc agc 434
 Arg Leu Gln Gly Ser Leu Gln Asp Met Leu Arg Gln Leu Asp Leu Ser
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<210> 4
 <211> 146
 <212> PRT
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Lys Gln Arg Val Thr Gly Leu Asp Phe Ile Pro Gly Leu His Pro Leu
 35 40 45

Leu Ser Leu Ser Lys Met Asp Gln Thr Leu Ala Ile Tyr Gln Gln Ile
 50 55 60

Leu Thr Ser Leu Pro Ser Arg Asn Val Val Gln Ile Ser Asn Asp Leu
 65 70 75 80

Glu Asn Leu Arg Asp Leu Leu His Leu Leu Ala Ala Ser Lys Ser Cys
85 90 95

Pro Leu Pro Gln Val Arg Ala Leu Glu Ser Leu Glu Ser Leu Gly Val
100 105 110

Val Leu Glu Ala Ser Leu Tyr Ser Thr Glu Val Val Ala Leu Ser Arg
115 120 125

Leu Gln Gly Ser Leu Gln Asp Met Leu Arg Gln Leu Asp Leu Ser Pro
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Glu Cys
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<210> 5
<211> 445
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Murine sp.

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<210> 7
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<212> PRT
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Thr Leu Ile Lys Thr Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr
35 40 45

Gln	Ser	Val	Ser	Ser	Lys	Gln	Lys	Val	Thr	Gly	Leu	Asp	Phe	Ile	Pro
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Ile	Ser	Asn	Asp	Leu	Glu	Asn	Leu	Arg	Asp	Leu	Leu	His	Val	Leu	Ala
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Phe	Ser	Lys	Ser	Cys	His	Leu	Pro	Trp	Ala	Ser	Gly	Leu	Glu	Thr	Leu
		115				120				125					
Asp	Ser	Leu	Gly	Gly	Val	Leu	Glu	Ala	Ser	Gly	Tyr	Ser	Thr	Glu	Val
130						135				140					
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Thr	Leu	Ile 35	Lys	Thr	Ile	Val	Thr 40	Arg	Ile	Asn	Asp	Ile 45	Ser	His	Thr
Gln	Ser 50	Val	Ser	Ala	Lys	Gln 55	Arg	Val	Thr	Gly	Leu 60	Asp	Phe	Ile	Pro
Gly 65	Leu	His	Pro	Ile	Leu 70	Ser	Leu	Ser	Lys	Met 75	Asp	Gln	Thr	Leu	Ala 80
Val	Tyr	Gln	Gln 85	Val	Leu	Thr	Ser	Leu	Pro 90	Ser	Gln	Asn	Val	Leu 95	Gln
Ile	Ala	Asn	Asp 100	Leu	Glu	Asn	Leu	Arg 105	Asp	Leu	Leu	His	Leu 110	Leu	Ala
Phe	Ser	Lys 115	Ser	Cys	Ser	Leu	Pro 120	Gln	Thr	Ser	Gly	Leu 125	Gln	Lys	Pro
Glu	Ser 130	Leu	Asp	Gly	Val	Leu 135	Glu	Ala	Ser	Leu	Tyr 140	Ser	Thr	Glu	Val

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Leu Asp Val Ser Pro Glu Cys
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<210> 9
 <211> 359
 <212> DNA
 <213> Murine sp.

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 ctgccttccc aaaatgtgct gcagatagcc aatgacctgg agaatctccg agacctctc 180
 catctgctgg ctttctccaa gagctgctcc ctgcctcaga ccagtggcct gcagaagcca 240
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